

# **SITE ANALYZER™ MODEL SA-2500A**

## **EASY-TO-USE CABLE & ANTENNA TESTER WITH DIGITAL POWER METER OPTION**



### **SITE ANALYZER™**

World-wide applications include Cellular and PCS/DCS systems with AMPS, CDMA, GSM or TDMA modulation schemes. Other applications include, 3G, Microwave paging, Trunking, WLAN and WLL. Frequency Range is 780 to 2500 MHz

- Easy operation for first-time, occasional or experienced users
- Digital Power meter option compatible with Bird power sensors
- Accurate and repeatable measurements
- Immunity to on-channel interference (+13 dBm) for testing at co-located antenna sites
- High-resolution color display
- Fast sweep rate
- On-screen comparison of live sweep and recalled trace
- Unlimited trace overlays per report to compare antennas and track performance over time

#### **Identify Small Problems Before They Grow Into Big Headaches**

The Site Analyzer's advanced design and high resolution color display help you detect minor problems before they become major headaches. Bird's instrument easily uncovers faults that elude less sophisticated testers. And the Site Analyzer's high directivity and low source match ensure accurate and repeatable Match and Fault Location measurements.

- Locate long range problems with 238 display points
- Pinpoint small problems with 60 dB dynamic range
- High resolution marker reports VSWR with the precision of expensive laboratory equipment
- Perform cable insertion loss measurements
- Flash feature allows easy firmware upgrades via e-mail

#### **Superior Signal Immunity Lets You Test When It's Convenient**

High ambient RF levels can limit the usefulness of other cable and antenna test instruments.

#### **New Digital Power Meter Option**

- Display forward and reflected power as well as VSWR and return loss.
- Compatible with Model 5010 Digital Power Sensor and DPM Elements



## SPECIFICATIONS

# SITE ANALYZER™ MODEL SA-2500A

### FREQUENCY CHARACTERISTICS MODEL SA-2000A

**Frequency Range:** 780 - 2500 MHz  
**Trace Resolution:** 238 data points

### MEASUREMENT CHARACTERISTICS

**Return Loss:** 0 to -60 dB  
**Test Port:** N-type female connector  
**Impedance:** 50 Ω  
**Speed:** 1 multi-frequency scan/4 seconds  
**Immunity to Interfering Signals:** Rejects on-channel signals up to +13 dBm.  
**Maximum Input Signal:** +22 dBm

### PERIPHERAL PORTS

**Data transfer:** 9-pin RS-232 (DB9), compatible with PC serial port.  
**Printer:** 25-pin (DB25) parallel. Built-in driver.

### POWER

**Internal:** Rechargeable (fast charge) Li-Ion batteries. 3 hour minimum operating time. Auto shut-off conserves battery life.  
**External DC:** 9 to 16 Vdc, fused  
**External AC:** 90 to 264 Vac, 45-66 Hz

### ENVIRONMENTAL

**Operating Temperature:** -10° to 50° C (14° to 122° F)  
**Storage Temperature:** -40° to 80° C (-40° to 176° F)  
**Humidity:** 95% ±5% max., (non-condensing)  
**Altitude:** Up to 15,000 feet (4572 m)

### FORM FACTOR

**Dimensions:** Hand held not to exceed 24 linear inches.  
**Weight:** 5 lb (2 kg)

### STANDARD ACCESSORIES

The Site Analyzer™ includes Carrying Case, Instruction Manual, Serial Cable, PC Tool Software for Windows, AC Power Supply and Automotive Power Adapter.



Standard Accessories

### OPTIONAL ACCESSORIES

Insert CAL Combos, Test Cables, Etc.

BEC MODEL NUMBER	DESCRIPTION
SA-2000A	SITE ANALYZER, 806-2300MHZ
CAL-MN-A	CALIBRATION COMBO, (M)N
CAL-FN-A	CALIBRATION COMBO, (F)N
CAL-ME-A	CALIBRATION COMBO, (M)7/16
CAL-FE-A	CALIBRATION COMBO, (F)7/16
5010	DIGITAL POWER SENSOR
DPM ELEMENTS	ELEMENTS FOR DIGITAL POWER SENSOR
TC-MNMN-1.5	TEST CABLE, (M)N-(M)N, 1.5M
TC-MNMN-3.0	TEST CABLE, (M)N-(M)N, 3.0M
TC-MNMN-5.0	TEST CABLE, (M)N-(M)N, 5.0M
TC-MNFN-1.5	TEST CABLE, (M)N-(F)N, 1.5M
TC-MNFN-3.0	TEST CABLE, (M)N-(F)N, 3.0M
TC-MNFN-5.0	TEST CABLE, (M)N-(F)N, 5.0M
TC-MNFE-1.5	TEST CABLE, (M)N-(F)7/16, 1.5M
TC-MNFE-3.0	TEST CABLE, (M)N-(F)7/16, 3.0M
TC-MNFE-5.0	TEST CABLE, (M)N-(F)7/16, 5.0M
PA-MNME	ADAPTER, (M)N-(M)7/16
PA-FNME	ADAPTER, (F)N-(M)7/16
PA-MNFE	ADAPTER, (M)N-(F)7/16
PA-FNFE	ADAPTER, (F)N-(F)7/16
7002B870	TRANSIT CASE, SITE ANALYZER
SA-BATPAK	BATTERY PACK, EXTERNAL

### COMPATIBLE PRODUCTS

Model 5010 Digital Power Sensor DPM Elements



Model 5010  
Digital Power Sensor

**BIRD**  
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